Student's Name: ……..... Steam: ……...

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545/1
CHEMISTRY
Theory
Paper 1
November 2024
2 hours

ASK INTEGRATED TEACHER'S EXAMINATIONS BUREAU LTD

Uganda Lower Secondary Certificate of Education

END OF YEAR ASSESSMENT 2024

CHEMISTRY PAPER 1

SENIOR TWO

(Theory)

2 Hours

INSTRUCTIONS TO CANDIDATES:

This paper consists of Section A and Section B.

*Answer **ALL** items in section A and 2 items in Section B.*

Answers to Section B must be written on the answer Booklets provided
*Answers to Section A **MUST** be written in the space provided.*

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SECTION A

Answer both items in this section in the space provided

ITEM 1

Amina and Jolly were playing netball in their backyard, near a garden full of flowers. The ball rolled into a garden, and when Jolly picked it up, a bee stung her. Jolly was very hurt and uncomfortable, but Amina told her to use a special kind of Medicine (an alkaline products) at home to help her fuel feel. This was a good first aid tip!

Task

As a chemistry learner;

a) Point out the alkaline product Jolly can choose.

_____

_____

_____

b) Help Amina understand how the alkaline product work.

_____

_____

_____

_____

_____

c) Advise Amina on the dangers of excessively using the product

_____

_____

_____

_____

Item 2.

A group of Learners were faced with a unique solid substance, X, which they suspected to be an element. The element could burn in air to form the solid product. One of them picked interest in what could be the chemical formula of the oxide of the element. However, he did not know how to determine the formula. When they contacted the laboratory technician he gave them the atomic number and mass number of X as 12 and 24 respectively, and the symbolic representation of oxygen as $^{16}_{8}O$

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Task:

As a student of chemistry help the learners to;

a) Understand the nature of substance X

_____
_____
_____
_____

b) Determine the formula of the oxide of X

_____
_____
_____
_____
_____

c) Know the environmental consequences of the element

_____
_____
_____
_____

SECTION B

Answer all items in this section on the answer booklets provided

Item 3

Air is the most available resource every living things benefits from however its greatly affected by some activities of man and this makes it less suitable for use . Especially in the current generation where industrialization and automobiles have become key for life. This is why we experience extreme hot days and sometimes extreme cold days.

An inter school debate competition has been organized with the theme **"AIR PRESERVATION IS EVERYONE'S RESPONSIBILITY"** and you are to represent your school.

Task

Prepare a write-up that will help you support the motion.

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Item 4

Some people living in rocky area are poor because crops cannot grow well. They have decided to relocate to another area but the area Member of Parliament (MP) has organized a sensitization workshop on the ways they could make use of rocks.

Task

As a learner of chemistry, you have been selected to advise the people of the area. Make a write - up you would present to the people.

END

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AITEL END OF YEAR ASSESSMENTS
Uganda Certificate of Education

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Candidate's Name.....

Signature.....

Subject..... Paper Code...../.....

Random No						
Personal Number						

Do not write in the margin

Do not write in the margin

FOR SCORERS USE ONLY

Item _____

Basis code										
Score										

Scorer's initials:.....

Item _____

Basis code									
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